ELSEVIER

Colloids and Surfaces
A: Physicochemical and Engineering Aspects 177 (2001) 261–262

COLLOIDS AND SURFACES A

www.elsevier.nl/locate/colsurfa

Contents of Volume 177

Vol. 177 No. 1

Alessandro D'Aprano: an obituary . . . 1
Size tailoring of CdS nanoparticles by different colloidal chemical techniques
S. Foglia, L. Suber and M. Righini (Rome, Italy) . . . 3
Novel mathematical description of surfactants macroaggregates
S.P. Piotto (Zurich, Switzerland) . . . 13
The influence of activated carbon surface chemical composition on the adsorption of acetaminophen (paracetamol) in vitro Part II. TG, FTIR, and XPS analysis of carbons and the temperature dependence of adsorption kinetics at the neutral pH
A.P. Terzyk (Torun, Poland). . . . 23
Laser-induced breakdown detection (LIBD) of aquatic colloids with different laser systems
T. Bundschuh, R. Knopp and J.I. Kim (Karlsruhe, Germany) . . . 47
New relationships between the characteristic energy of adsorption and the average effective diameter of carbon slit-like micropores — the dependence on the type of an adsorbate
A.P. Terzyk and P.A. Gauden (Toruń, Poland). . . . 57
The role of the diffuse double layer in leaching of calcium from the surface of flyash particles
R.S. Iyer (St. Lucia, Qld., Australia), B.R. Stanmore (Albi, France) and P.C. Pullammanappallil (Perth, WA, Australia) . . . 69
The orientation process of cholesteric lyotropic liquid crystals submitted to shear
M. Regina Alcantara and E.G. Fernandes, Jr. (São Paulo, Brazil). . . . 75

Calendar . . . 83

Vol. 177 Nos. 2–3

(Special Issue: 72nd ACS Colloid and Surface Science Symposium (CSSS))

Preface . . . 85
Aggregate size distributions in flocculation
C. Rattanakawin and R. Hogg (University Park, PA, USA) . . . 87
A micromechanics approach for attachment and detachment of asymmetric colloidal particles
T. Mahmood, A. Amirtharajah, T.W. Sturm and K.E. Dennett (Atlanta, GA, USA). . . . 99
Effects of Brownian motion and structured water on aggregation of charged particles
J.L. Baldwin (, USA) and B.A. Dempsey (University Park, PA, USA) . . . 111
Mobile ion activities at charged interfaces
N.T. Loux (Athens, GA, USA) and M.A. Anderson (Madison, WI, USA). . . . 123
Copper uptake by inorganic particles — equilibrium, kinetics, and particle interactions: experimental
K. Subramaniam, S. Yiacoumi (Atlanta, GA, USA) and C. Tsouris (Oak Ridge, TN, USA) . . . 133
The effect of the adsorption of lead and cadmium ions on the interfacial behavior of quartz and talc
P. Huang and D.W. Fuerstenau (Berkeley, USA). . . . 147
Calcium loading onto granular activated carbon with salicylate or phthalate
H.T. Frederick, F.S. Cannon and B.A. Dempsey (University Park, PA, USA). . . . 157
Kinetics of mercury adsorption from wastewater using activated carbon derived from fertilizer waste
D. Mohan (University Park, PA, USA), V.K. Gupta, S.K. Srivastava (Roorkee, India) and S. Chander (University Park, PA, USA) . . . 169
Single component and multi-component adsorption of metal ions by activated carbons
D. Mohan and S. Chander (University Park, PA, USA). . . . 183
Production and cellular localization of functional oligomeric peptides in *E. coli*: expression of the *N. crassa* polymetallothionein
M. Pazirandeh and J.M. Mauro (Washington, DC, USA). . . . 197

Characterization of metal ion interactions with chitosan by X-ray photoelectron spectroscopy
L. Dambies (Ales, France), C. Guimon (Pau, France), S. Yiacoumi (Atlanta, GA, USA) and E. Guibal (Ales, France) 203
Effect of natural organic coatings on the polymer-induced coagulation of colloidal particles
M.M. Bob and H.W. Walker (Columbus, OH, USA) 215
Electrocoagulation for magnetic seeding of colloidal particles
C. Tsouris, D.W. DePaoli, J.T. Shor, M.Z.-C. Hu and T.-Y. Ying (Oak Ridge, TN, USA) 223
Flotation of hydrophobic contaminants from soil
L. Zhang, P. Somasundaran (New York, NY, USA), V. Ososkov and C.C. Chou (Newark, NJ, USA) 235
Partition of pyrite and hematite in aqueous biphase systems: effects of pH and surfactants
X. Zeng and K. Osseo-Asare (PA, USA) 247

Calendar 255
Author Index 257
Subject Index 259
Volume Contents 261